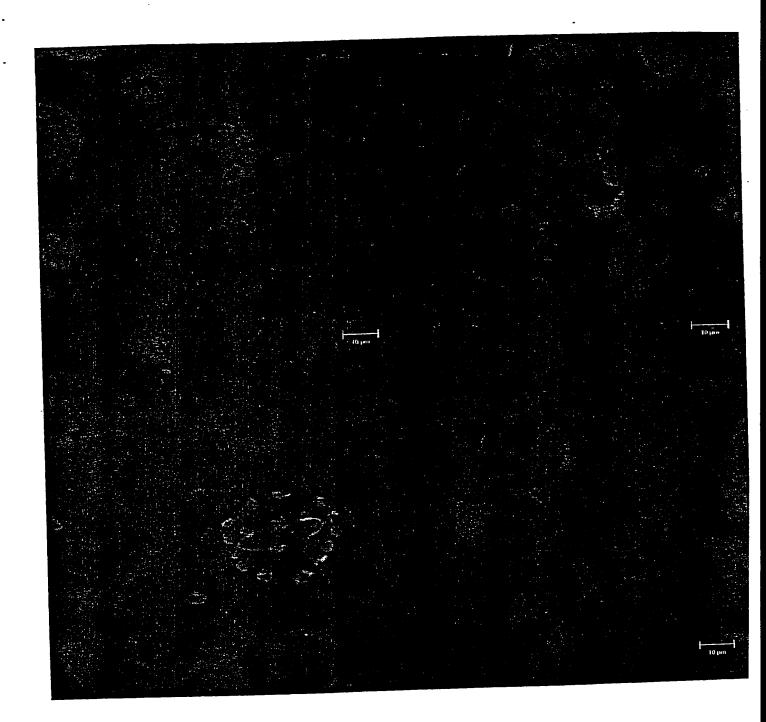
## Figure 1

MAST.RI.FSTN	WOST I I DOGE					
MASLRLFSTN	uðarrragar	SQKTLISSPI	R FVNNPSRRSI	P IRSVLQFNRK	PELAGETPRI	60
1	• • • • • • • • • •	• • • • • • • • • •		MVFSTGNGNG	DDMCVCT BD:	
	• • • • • • • • • • • • • • • • • • • •	• • • • • • • • • •	• • • • • • • • • •	• • • • • • • • • • • • • • • • • • • •	MNTD T	- 4
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VVITSGKGGV (	2 ጀምጣጣጣ አ <i>ከተያ</i>	T CT 3 DUCTO	<b></b>			
VVITSGKGGV (	SKUTTTTMANTC	METARIGESV	VAIDADLGLR	NLDLLLGLEN	RVNYTCVEVI	120
IVITSGKGGV (	KTTTTIMIG	MSIARLGYRV	ALIDADIGLR	NLDLLLGLEN	RVLYTAMDIV	80
IVVTSGKGGV G	KTTSSAATA	TCI A OVCWVM	VLIDADFGLR	NLDLLLGLEQ	RIVYTAIDVL	64
IVVTSGKGGV G	***	TGLAQKGKKT	VVIDFDIGLR	NLDLIMGERR	RVVYDFVNVI	64
NGDCRIDOAL V	RDKRWSNFF	T.T.CTCKDDCY	I DVCECCES *			
EGQCRIDQAL I	RDKRWKNLA	LLAISKNROK	VITTITI PARAL.	EWLVDALKRT	PEFSPDFIII	180
[ K A	TOTOTIVE	LLPAAONRSK	DATNAFAMCA	TIMAT		
QGDATLNQAL I	KDKRTENLY	ILPASOTRDK	DADITERESTA	TAEOTK	DKFDYIII	118
		2	2.mailmgvA	. YATDDTK	.AMDFEFIVC	120
DCPAGIDAFG I	TAITPANEA	VLVTTPDITA	LRDADRVTCT.	T.F.CDCTBDTV		
DCAMGIDAGE, II	NAIASAQEA 1	VIVTTPEITA	IRDADRVACT.	T.FANCT WATER		232
DCLWGTEWGE, KI	NAVAPAQEA	IIVTTPEMSA	VRDADBUTCT.	TENDOTORES		187
DSPAGIETGF AI	LMALYFADE 1	AIITTPEVSS	VRDSDRILGI	TYCKCDDY ENA		168
				THORSENGEN (	SEEPIKEH	178
			•			
MIVNRVRTDM IF	(GEDMMSVL I	OVQEMLGLSL	LGVIPEDSEV	IRSTNRGEDT. 1	T MEDDET 3 C	000
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LLLTRYNPGR VS	RGDMLSME D	VLEILTIKL '	VGVIPEDQSV	LRASNOGEPV T	T.DINA DAG	228
			~		LLD INA. DAG	237
TARROSTERS			*			
LAFEQAAWRL .V	eqdsmkav m	WEEEPKKRG	.FF.SFFGG	Arabid	opsis	328
IAFENAARRI IG	KQDYFIDL T	SPQKGMFQK	.LQE.FFLGEE	Chlore.		286
LAFQNIARRL EG	.QDIPFLD F	MAAHNTLLN I	RIRRRLLGG	Synnec		266
KAYADTVERL LG	EERPFR F	IEEE.KK.G	FLKRLFGG	E. col:	_	271
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Figure 2



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Figure 3

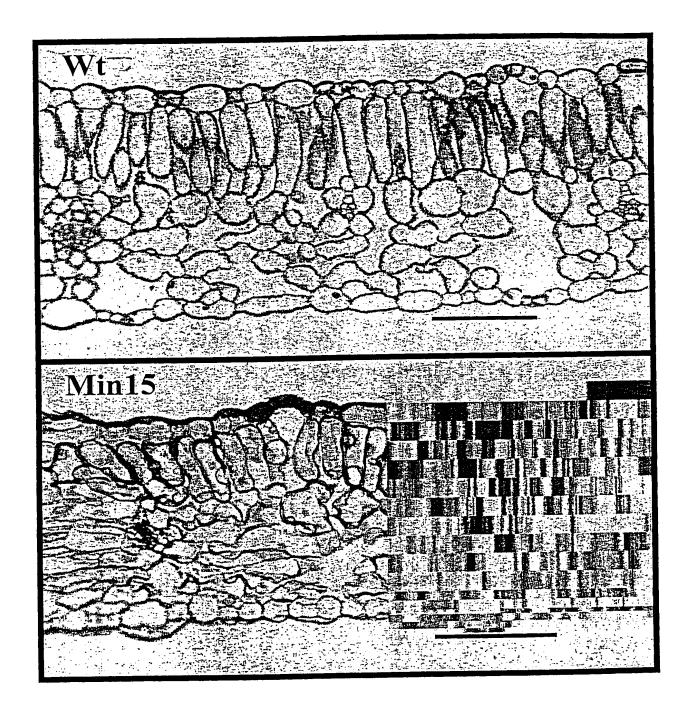
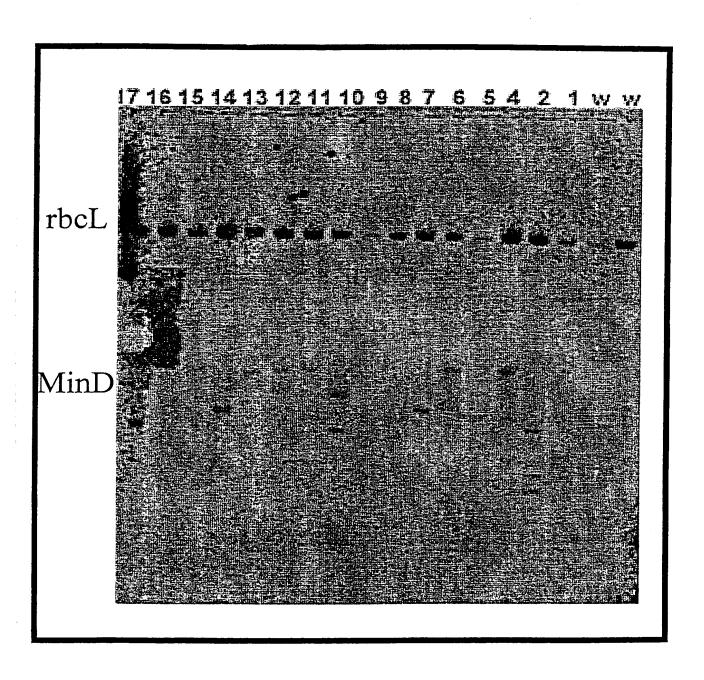
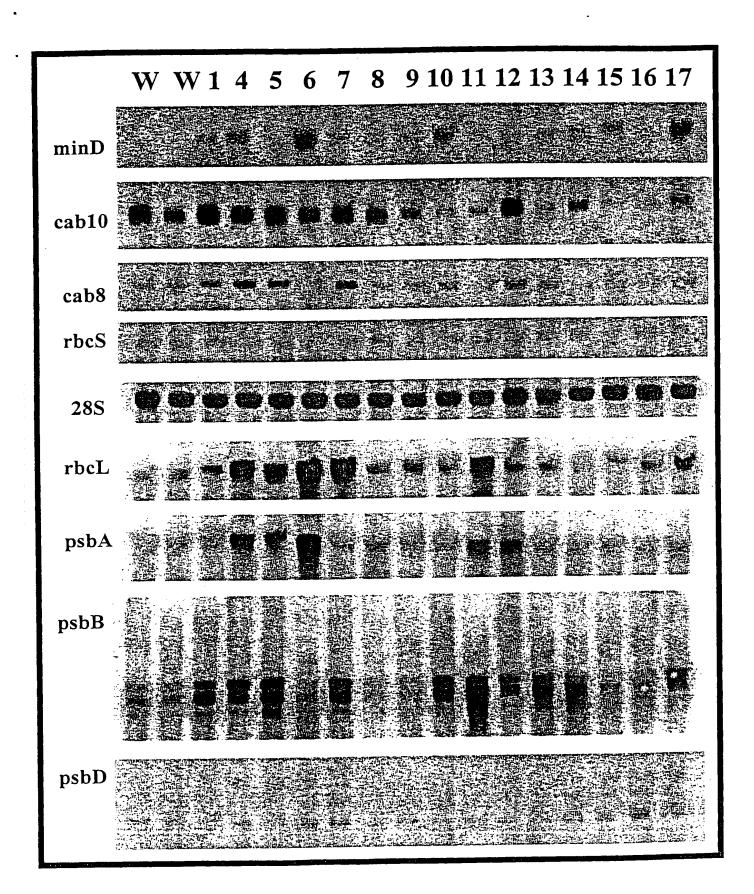


Figure 4



Figure 5





	Chlorophyll Content		Fluorescence Measurements			
Line	Total Chl (ug/mg)	Chla/b (ratio)	Fo (relative units)	Fm (relative units)	Fv/Fm (relative units)	
WT	1.99	3.11	137.4±12.0	616 6124 0		
AtMin4	1.71	2.64	137.4±12.0 135.7±11.8	616.6±34.0	0.777±0.015	
AtMin5	1.58	3.01	136.5±17.1	636.2±27.1	0.787±0.017	
AtMin 8	1.46	3.07	130.5±17.1 128.5±32.3	, 534.9±66.1	0.757±0.020	
AtMin 9	1.66	3.00	128.5±32.5 125.5±19.9	489.9±78.6	0.741±0.037	
AtMin 10	1.53	2.95	125.5±19.9 136.5±11.3	520.5±58.3	$0.759\pm0.018$	
AtMin 17	1.44	2.71	139.5±20.6	543.1±14.3 564.9±32.7	0.748±0.025 0.756±0.032	
WT .	1.69	3.08	105.6±14.9	441.9±58.5	0.760±0.016	
AtMin 1	1.74	2.80	126.4±08.6	436.7±27.2	0.714±0.035	
AtMin 12	1.60	3.11	123.4±16.6	455.3±84.4	0.724±0.040	
AtMin 13	1.91	3.28	115.9±17.9	441.5±64.5	0.737±0.040	
AtMin 14	1.59	3.07	113.6±17.2	444.1±58.2	_	
4tMin 15	1.59	2.94	119.1±19.5	433.0±45.9	0.743±0.017	
AtMin 16	1.71	2.89	122.1±10.7	447.7±41.0	0.724±0.037 0.725±0.019	

The measurements were taken over two days, and due to variation in the  $F_0$  and  $F_M$  measurements these were kept separate. Fluorescence measurements are averaged from eight samples.

## Figure 8

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seudo	1	MSELELEFORKQKTATVARDE CETTERCE ACEGOT POYLPTERKE	il 47	
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Syne	49	2L - 23 - 11 - 25 - 25 - 25 - 25 - 25 - 25 - 25	-	
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Pseudo	43	LEW RKY PED-OEO OF LENO-GNCS LENN TEPOR		
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Selling	157	EHRESDEEFESESKYOENVSTEGELETETSETHEEFENDE STOOTE STO		

Figure 9

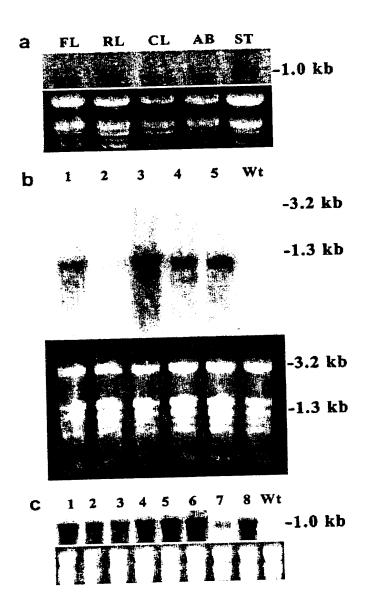


Figure 10

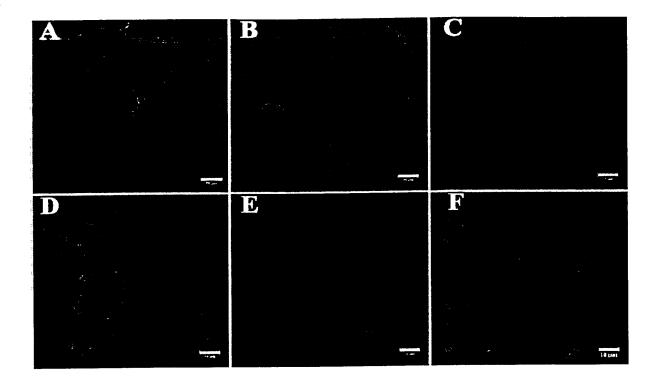


Figure 11



Figure 12

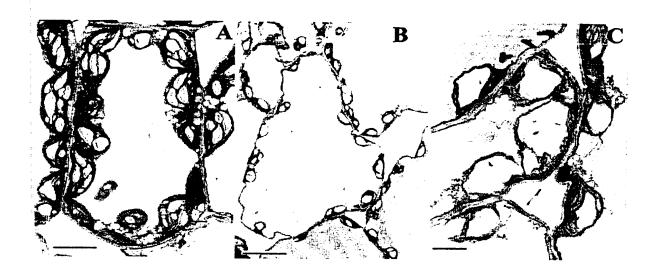


Figure 13

